



USE CASE

TruOps Common Language

Streamline Interconnection with the Definitive Codeset from the Industry's Only Official Source

challenges

Rapid changes in service offerings make interconnection more challenging than ever

Obtaining NC/NCI codes without a subscription leads to an illegitimate use of iconectiv's IP

Incorrect understanding of NC/NCI codes increases the likelihood of errors that undermines revenue and profits

solution

Common Language NC/NCI subscription for industry-standard interconnection

Continually updated catalog including all possible connection configurations

Exclusive support, training and more

results

Increase operational efficiency via the use of the definitive NC/NCI data source

Support new and increasingly complex services

Consistently identify interconnection characteristics for rapid, accurate inter carrier ordering

Access to experts in order to minimize internal resource investment

challenge: business growth increases operational complexity, cost and risk

As demand for telecom services grows, so does the challenge of quickly and correctly identifying all of the service provider interconnection characteristics necessary to deliver those services to customers. Delays and errors can undermine profit margins, customer satisfaction, competitiveness and more.

In the U.S. alone, Carrier Ethernet bandwidth at customer sites has shown consistent growth, often tripling during periods of increased demand. Globally, Ethernet port installations have surpassed millions, driven by rising needs in cloud services, Internet of Things (IoT) and data-heavy applications.

To capitalize on that opportunity, service providers must carefully navigate a highly complex ecosystem of network channels, circuit-interface characteristics, associated interface specifications and more. All of those details are key for ordering access services as well as provisioning and billing.



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solution: definitive codeset from only authorized source

To ensure fast, accurate interconnection, service providers rely on TruOps Common Language Network Channel and Channel Interface Codes (NC/NCI Codes). These codes enable interconnection ordering by accurately representing the technical attributes of network channels and network channel interfaces.

The Alliance for Telecommunications Industry Solutions (ATIS) ordering guide requires the use of NC/NCI codes for Access and Local Service Requests (ASR/LSR). That is why service providers that sell products and services to other service providers — including CLECs, DLECs and mobile — typically construct their wholesale catalog using the NC/NCI catalog as a reference.

An annual subscription is the best and most efficient way to take full advantage of NC/NCI codes' business and engineering benefits:

- NC/NCI codes are intellectual property (IP) and the only legitimate source for obtaining them is via a subscription. Companies using any other source to obtain such information, such as a wholesale service provider's website also run the risk of obtaining inaccurate and incomplete data.
- Only NC/NCI subscribers have access to the full catalog of connection configurations.
- This catalog is continually updated, so it is the definitive source of the most accurate NC/NCI Codes information.

results: increased efficiency, accuracy, customer satisfaction

An NC/NCI subscription can quickly pay for itself by:

- Avoiding disputes and delays due to incorrect interface expectations – saving time and money to resolve them.
- Speeding time to revenue – and increasing customer satisfaction – because new services can be turned up quickly.
- Freeing staff to focus on other tasks instead of needing to build expertise in connection details.
- Authorizing subscribers to publish NC/NCI codes in their service provider coding guides for greater ordering efficiency.

A new pricing structure makes a subscription a compelling proposition – especially for smaller service providers. Subscribers also get exclusive access to a broad, deep selection of support services, including training. Training ensures that employees fully understand how NC/NCI codes work and how to use them – maximizing the return on a subscription investment. A subscription also includes access to iconectiv subject matter experts (SMEs) for hands-on help with tasks such as applying best practices for ensuring that evolving service offerings are accurately and completely expressed.

In fact, many subscribers consider iconectiv SMEs as a trusted extension of their staff.

"For a new company like us, having access to telecommunications veterans like the Common Language SMEs is a great asset," says another mid-sized service provider. "Sometimes I think that SME support may be the most valuable portion of our subscription to Common Language."

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Resources available with a subscription

- NC & NCI Codes
- NC/NCI compatibility guide
- Access to NC/NCI Subject Matter Experts (SMEs)
- Industry forums for service providers to meet and discuss the evolution and best practice of implementing Common Language with other service providers
- TNS policy management of key data elements, ensuring consistency in the data
- Coding discipline and implementation support from Common Language data infrastructure experts

Key documentation, including, but not limited to:

- **BR-795-403-101**, COMMON LANGUAGE Network Channel and Channel Interface codes – Compatibility Guide
- **BR 795-403-100**, COMMON LANGUAGE Network Channel and Channel Interface codes
- **BR 751-000-157**, COMMON LANGUAGE Service and Product Enhance code (SPEC) Catalog

NC/NCI code set data (excel)

NC Code Content	NCI Code Content
4 character standardized code to represent the pipe	12 character standardized code to represent the pipe
Provides an industry standard description of what the connection channel type is	Provides an industry standard description of what the connection channel interface type is
Required on ASR/LSRs	Required on ASR/LSRs
Electronic communication of connection information	Electronic communication of connection information

“It is obvious that the Common Language team acts as a partner and a trusted advisor, not just a supplier,” says one mid-sized service provider. “My interactions with the team, sometimes on issues that have nothing to do with the code sets, have helped us define our internal naming conventions and our approach to infrastructure management.”



Find out how TNS can help you with a wide range of telecom solutions:

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